

FAYN, A.I.; GELLER, R.L.

Automatic control of the sand slinger model 296M. Lit.
proizv. no.7:16-19 Jl '63. (MIRA 17:1)

FAYN, A.I.; Prinimal uchastiye MORDOCHKIN, Ye.A., inzh.

Selecting conditions for operating a sand slinger in ramming
molds and cores of large ingot molds. Lit. proizv. no.1:4-6
Ja '65. (MIRA 18:3)

VISHNEVSKIY, A.I.; MIKSNTA, V.I.; SEVAST'YANOV, N.S.; FAYN, A.P.; LISTOV, I.V., red.; OS'KIN, V.A., tekhn. red.

[Creative cooperation] Tvorcheskoe sodruzhestvo. Omsk, Omskoe knizhnoe izd-vo, 1961. 39 p. (MIRA 15:8)

1. Nachal'nik liteynogo tsekha Sibzavoda, Omsk (for Vishnevskiy).
2. Liteyny tsek Sibzavoda, Omsk (for Fayn). 3. Kafedra "Mashiny i tekhnologiya liteynogo proizvodstva" Omskogo mashinostroitel'nogo instituta (for Mikahta, Sevast'yanov).
(Omsk—Founding—Technological innovations)
(Socialist competition)

FAYN, A.I., inzh.; UGARKIN, B.K., inzh.; KUZNETSOV, P.A., inzh.

Automatically-controlled sandslinger, model PN-40. Lit. proizv.
no.1:14-19 Ja '66. (MIRA 19:1)

L 26108-66 EPF(6)-2/EWT(d)/EWT(1)/EWA(1) IJP(c) WW
ACC NR: AP6014994

SOURCE CODE: UR/0170/66/010/005/0668/0675

AUTHOR: Fayn, A. M.

49
B

ORG: Central Design-Construction Office of the "Soyuzlift" Trust,
Moscow (Tsentral'noye prinyektno-konstruktorskoye byuro tresta "Soyuz-
lift") g. Moscow.

TITLE: Application of the variational method to the solution of the
heat conduction problem with internal heat sources

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 5, 1966, 668-675.

TOPIC TAGS: heat conduction, temperature field, heat conduction equa-
tion, variational method, Euler Ostrogradskiy equation

ABSTRACT: An approximate variational method is proposed for the ana-
lytic solution of optimal stationary heat conduction problems with in-
ternal heat sources distributed according to a two-dimensional distri-
bution law. The temperature field is sought for a cylinder with in-
ternal heat sources releasing heat according to a certain given law.
The heat conduction equation and corresponding boundary conditions are
written, then reduced to the Euler—Ostrogradskiy equation for a certain

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UDC 536.2

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functional $v[t(\psi, \rho)]$. The approximate solution of this equation is sought in the form

$$t = \sum_{i=1}^n U_i(\rho) S_i(\psi), \quad (1)$$

where $S_i(\psi)$ is the function to be determined from the extremum (minimum) condition for the functional $v[t(\psi, \rho)]$ and $U_i(\rho)$ are coordinate functions which must be chosen in such a way that the boundary and symmetry conditions are satisfied. The procedure for selecting the coordinate functions is presented. Finally, the solution of the problem is reduced to the solution of a system of ordinary linear differential equations (Euler's equations). The dimensionless coefficients of the system of Euler's equations are introduced and means for determining them are presented. Several examples illustrate the application of the method. Orig. art. has: 37 formulas, equations.

[LK]

SUB CODE: 20 / SUBM DATE: 27Dec65 / ORIG REF: 003 / ATD PRESS: 4252

Card 2/2 (1)

FAYN, B. P.

BLYUMENTAL', R.M.; GIRICH, A.I.; GONCHARIK, A.K.; GUSEVA, T.P.; ZHITKOVA, L.A.; IOFFE, A.M.; KULEMIN, P.D.; LEVINA, L.I.; OSHKIN, P.A.; PAPROTSKIY, T.V.; RIAKHIMOV, A.N.; SAMSONOV, N.A.; TULAYKOV, V.N.; USTINOV, I.M.; FAYN, B.P.; SHIFRIN, D.L.; KOLOTILOV, Vasiliy Ivanovich, red.; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Equipment for the petroleum industry] Neftianoe oborudovanie.
Vol.5 [Petroleum valves and fittings] Nefteanaya armatura. Moskva,
Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. 1958.
247 p. (MIRA 12:1)

(Petroleum industry--Equipment and supplies)

ABRAMOV, M.A.; ALIVERDIZADE, K.S.; AMIROV, Ye.M.; ARENSON, R.I.; ARSEN'YEV,
S.I.; BAGDASAROV, R.M.; BAGDASAROV, G.A.; BADAMYANTS, A.A.; DANIYE-
LYAN, G.N.; DZHAPAROV, A.A.; KAZAK, A.S.; KERCHENSKIY, M.M.; KONYU-
KHOV, S.I.; KRASNOBAYEV, A.V.; KURKOVSKIY, A.I.; LALAZAROV, G.S.;
LARIOMOV, Ye.P.; LISTENGARTEN, M.Ye.; LIVSHITS, B.L.; LISIKYAN,
K.A.; LOGIMOVSKIY, V.I.; LYSENKOVSKIY, P.S.; MOLCHANOV, G.V.; MAY-
DEL'MAN, N.M.; OKHOM'KO, S.K.; ROMANIKHIN, V.A.; ROSIN, I.I.; RU-
STAMOV, B.M.; SARKISOV, R.T.; SKRYPNIK, P.I.; SOBOLEV, N.A.; TARA-
TUTA, R.N.; TVOROGOVA, L.M.; TER-GRIGORYAN, A.I.; USACHEV, V.I.;
PAYN, B.P.; CHICHEROV, L.G.; SHAPIRO, Z.L.; SHEVCHUK, Yu.I.; TSUDIK,
A.A.; ABUGOV, P.M., red.; MARTYNOVA, M.P., vedushchiy red.; DANIYE-
LYAN, A.A.; TROFIMOV, A.V., tekhn.red.

[Oil field equipment; in six volumes] Neftianoe oborudovanie; v
sesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-
toplivnoi lit-ry. Vol.3. [Petroleum production equipment] Obo-
rudovanie i instrument dlja dobychi nefti. 1960. 183 p.

(MIRA 13:4)

(Oil fields--Equipment and supplies)

FAYN, E.D.

AUTHOR: None given 32-9-42/43

TITLE: New Books (Novyye knigi)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 9, pp.1143-1143 (USSR)

ABSTRACT: The Application of Electron Microscopy. A collection of lectures delivered on the European Congress on the Application of Electron Microscopy. 1957, 166 pages, Roubles 6.40
The Application of the Methods of Spectroscopy in the Food Industry and in Agriculture. Material dealing with the conference held on 4-7 July 1955 at Leningrad. 1957, 254 pages, Roubles 14.-
Kalinin, S.K., Marzuvanov, V.L., Fayn, E.D. Spectral Lines for the Analysis of Mineral Raw Materials. 35 pages, 1957
Sigorskii, V.P., Sinitskiy, L.A. Magneto-Electric Logometers, 199 pages
Devices for Measuring Electric and Magnetic Quantities. A collection of articles. 19 pages, 1957
Popova, N.M. Phase-Chemical Steel Analysis. 1957, 39 pages
Komokotin, S.G., Grechko, F.M. Semiconductor-Thermo-Telemeasuring Devices. 20 pages, 1957

Card 1/2

32-9-42/43

New Books

Methodical Instructions Nr 157 concerning the checking of sample capillary viscosimeters. 20 pages, 1957

Instruction 106-56 concerning the checking of universal measuring microscopes. 100 pages, 1957, Roubles 3.15

Dissertations:

M.M. Umanckiy: Apparatus and Method of X-Ray Structural Investigations; G.G.Iordan: Investigation of the Method of Automatic Control of the Liquid Level by Means of Radioisotopes; O.P.Dorf: The Photometry of Ultraviolet Radiation; A.A. Petrov: Spectral Isotopic Method for the Determination of the Hydrogen Content in Metals.

AVAILABLE: Library of Congress

Card 2/2

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3"

FAYN, E. Ye.

with S. K. Kalinin, I. G. Grinman, and G. B. Zhilinskiy "Spectroscopic Determination of Rare Earths in Minerals"

with I. G. Grinman, S. K. Kalinin, V. L. Marzuvanov "Study of Electric-arc Output for Spectrum Analysis"

Transactions of the Inst. of Nuclear Physics, Kazakh SSR, Acad. Sci. Trudy, v. i., Alma-Ata, Izd-vo AN Kaz SSR, 1958,

This vol. contains results of research at the Inst. of Nuclear Physics for the years 1954-56.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

KALININ, S.K.; FAIN, B.Ye.; GRINMAN, I.G.; ZHILINSKIY, G.B.

Spectrographic determination of rare earths in minerals. Trudy
Inst. iad. fiz. AN Kazakh. SSR 1:288-295 '58. (MIRA 12:2)
(Rare earths--Spectra)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3"

GRINMAN, I.G.; KALININ, S.K.; MARZUVANOV, V.L.; FAYN, E.Ye.

Investigation of the power of an electric arc for spectrum
analysis. Trudy Inst.iad.fiz.AN Kazakh.SSR 1:296-302 '58.
(MIRA 12:2)
(Spectrum analysis) (Electric arc)

SATPAYEVA, T.A.; KALININA, S.K.; PAYN, E.Ye.

Spectrographic analysis of copper ores of the Dzhezkazgan deposit
for rare and minor elements. Izv. AN Kazakh. SSR. Ser. geol. no.2:
68-74 '59. (MIRA 13:2)
(Dzhezkazgan District--Copper ores--Spectra) (Metals, Rare and minor)

24(7)

AUTHORS: Kalinin, S. K., Marzuvanov, V. L., Fayn, E. Ye., Zamyatina, G. M., Perevertun, V. N., Terekhovich, S. L.

SOV/48-23-9-4/57

TITLE: Atlas of Spectral Lines for a Spectrograph With Diffraction Grating

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 5, pp 1061-1063 (USSR)

ABSTRACT: In connection with the series production of diffraction grating spectrographs, the necessity of methodical directives and of atlases is pointed out. At present, the authors are preparing an atlas of spectral lines for grating spectrographs. The atlas consists of plane tables (planshet) and of their descriptions. In figure 1, for example, the iron spectrum in a range extending over 66 Å is shown. This spectrum was recorded by means of the DFS-3 spectrograph, the grating of which has 300 grating lines per mm. The spectra recorded were enlarged 20 times and the lengths of the plane tables amount to 370 mm, so that, for example, the entire iron spectrum has a total length of 25 m. Owing to the high dispersion of the instrument about 7000 lines of 85 elements are recorded, and the intensity of the lines is estimated according to a 12-degree

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SOV/48-23-9-4/57

Atlas of Spectral Lines for a Spectrograph With Diffraction Grating

scale; if the sample contains more than 10% of the element, the lines are marked by the figure 1, and if it contains less than 0.0001%, by the figure 12. In the description the properties of the lines are discussed, and directives are given for carrying out analyses. There are 1 figure and 3 Soviet references.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk KazSSR
(Institute of Nuclear Physics of the Academy of Sciences
of the Kazakhskaya SSR)

Card 2/2

KALININ, S.K.; PAYN, E.Ye.; PEREVERTUN, V.M.; BARLYBAYEVA, K.Eh., red.;
PROKHOROV, V.P., tekhn.red.

[Use of a DFS-3 (13) diffraction spectrograph for the analysis
of mineral raw materials] Primenenie difraktsionnogo spektro-
grafa DFS-3 (13) dlia analiza mineral'nogo syr'ya. Alma-Ata,
Izd-vo Akad.nauk Kazakhskoi SSR, 1960. 35 p. (MIRA 13:5)
(Spectrum analysis)

SATPAYEVA, T.A.; KALININ, S.K.; FAYN, E.Ye.

Amount of osmium in ores of the Dzhezkazgan deposit. Vest. AN
Kazakh.SSR 16 no.8:29-31 Ag '60. (MIRA 13:9)
(Dzhezkazgan District--Osmium)

KALININ, Sergey Ksenofontovich; FAYN, Emil' Yefraimovich; STRIGANOV,
A.R., doktor fiziko-matem. nauk, prof., otd. red.; RZHONDKOVSKAYA,
L.S., red.; ALFEROVA, P.F., tekhn. red.

[Spectrum analysis of raw minerals] Spektral'nyi analiz mineral'-
nogo syr'ia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962.
(MIRA 15:7)
238 p.
(Minerals—Analysis) (Spectrum analysis)

FAYN, E. Ye.

Spectrographic determination of rhenium and osmium in ores. Vest.
An Kazakhstan 19 no.2 53-59 F '63.

(MIRA 16:5)

(Rhenium)

(Osmium)

(Spectrum analysis)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

DEDRKHO, M.P.; SATPAYEVA, T.A.; FAYN, E.Ye.

Study of the chemical composition of a rhenium mineral from
Dzhezkazgan ores. Vest. AN Kazakh.SSR 20 no.114 A-53 N 164.
(MIRA 18:2)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3"

FAYN, F.A.; FREGER, D.P., tekhn.red.

[Use of statistical methods of analysis and control in founding]
Применение статистических методов анализа и контроля в литеином
производстве. Ленинград, 1955. 27 п. (Ленинградский дом научно-
технической пропаганды. Информационно-технический листок,
(MIRA 10:12)
no.99(787))
(Founding--Quality control)

FAYN, F.A.

On A.A. Samoilov's article "Statistical control". Izm. tekhn. no.3:
95 My-Je '57.
(Quality control)

FAYN, Faina-Abramovna; KLEYMAN, Genrikh Geymanovich; TYUMENEVA, S.T.,
red.; SHILLING, V.A., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Gauges for checking splined joints with a rectilinear face profile]
Kalibry dlia kontrolia shlitsevykh soedinenii s priamobochnym pro-
filem. Leningrad, 1961. 28 p. (Leningradskii Dom nauchno-tekhniches-
koi propagandy. Obmen peredovym opyтом. Seriya: Kontrol' kachestva
produktsii, no.5) (MIRA 14:7)

(Gauges)

CA FAYN, F.S.

Distribution and properties of thiamine among various animals. R. I. Tcherkayn, F. S. Yakh, and L. P. Larionova (Zhzh. Biokhim. Inst., Moscow). Biokhimiya 16, 305-13 (1951); cf. C.A. 42, 7807e.—Although cothiaminase is widely distributed in nature, thiaminase (I) had previously had not been detected in mammals, birds, amphibians, and fishes (carp excepted). Of the 20 species (mostly marine) investigated, I was present in the following: Cephalopoda

(*Achatina equina* and *Achatina curta*); mollusks (*Streptomyces*, *Pecten jacobaeus*, *Tapes rugosa*, *Mytilus galloprovincialis*, and *Limnodonta cyprina*); fish, sturgeon (*Acipenserstellatus* and *A. gibelii*); Ammonium salts inactivated I of the mollusk *Anadona cygnea*, but was without effect on the I of carp. H. Priestley

FAVN, F S

The distribution and properties of thiaminase. R. I. Tatarskaya, Yu. B. Kudryashov, and P. S. Fain (A. N. Bakh Inst. Biochem., Acad. Sci. U.S.S.R., Moscow). Biokhimiya 19, 229-35 (1954).—The presence of thiaminase in the representative fauna of the White Sea was studied in a manner similar to the thiaminase study previously reported on the representative fauna of the Black Sea (C.A. 46, 1001). Thiaminase was generally present in the White Sea fauna, and it is suggested that where such fauna can be used as animal food (in the form of meal), the thiaminase be first destroyed to avoid the possible development of avitaminosis. Since microorganisms generating thiaminase were first isolated from human subjects suffering from B₁ avitaminosis, it is suggested that a thorough study of microorganisms, especially pathogenic, be made to det. their thiaminase-generating potentialities. B. S. Levine.

LYUBIMOVA, M. N. and FAIN, F. S., Moscow. USSR

"Characteristics of Nucleic Acid and Fractions of Myosin and Adenylic Acid
Edz Deaminase.S"

report submitted IV Intl. Cong. of Biochemistry, Vienna, 1 - 6 Sep 1958.

FAYN, F.S.

LYUBIMOVA, M.N., FAYN, F.S.

Nitrogenous bases isolated from deaminase preparations [with
summary in English]. Biokhimiia 23 no.2:318-324 Mr-Ap '58
(MIRA 11:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.

(AMIDASES,
deaminase from myosin, analysis for nitrogen base
content (Rus))

KUZNETSOV, German Ivanovich; FAYN, Genrikh Moiseyevich; SHTAMBURG,
Valentin Fedorovich; SHEINA, Antonina Aleksandrovna;
MIKHEYEV, N.I., red.

[Drilling pipes from light alloys] Buril'nye truby iz leg-
kikh splavov. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo,
1964. 51 p. (MIRA 17:12)

BORZOV, N.N.; FAYN, G.M.; YUDIN, V.F.

Method for calculating the optimal torques for screwing sockets
onto drilling pipes made of light alloys. Trudy VNIIIBT no.12:
62-67 '64. (MIRA 18:4)

FAYN, G.M.; KONDRAT'YEV, E.P.; DRASKIN, V.S.

Preparing light-alloy pipes for well drilling. Trudy VMIIIBT
no.12:68-71 '64. (MIRA 18:4)

SHTAMBURG, V.F.; KOMRAT'YEV, E.P.; KUZNETSOV, G.I.; MIRONOV, A.A.;
PAYN, G.M.

Drilling wells using light-alloy drilling pipes. Trudy
'NIIBT no.12,72-92 '64 (MIRA 1874)

ASLANOV, S.A.; FAYN, G.M.

Selecting the optimal size for drill pipes. Neft.khcz. 43
no.4:29-33 Ap '65. (MIRA 18:4)

DRABKIN, V.S.; KUZNETSOV, G.I.; FAYN, G.M.

Stand for assembling light alloy pipes with couplings. Mash. i
neft. obor. no. 7:26-27 '65.

(MIRA 18:12)

1. Kuybyshevskiy nauchno-issledovatel'skiy institut neftyanoy
promyshlennosti.

28(1), 5(1)

SOV/64-59-1-17/24

AUTHORS:

Rashkovan, L. V., Fayn, G. Z., Raysfel'd, A. A.,
Shelyastin, M. V.

TITLE:

Experimental Automation of the Production of Weak Nitric Acid
(Opytnaya avtomatizatsiya proizvodstva slaboy azotnoy kisloty)

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 1, pp 73-79 (USSR)

ABSTRACT:

The Opytno-konstruktorskiy byuro avtomatiki (Experimental Design Office for Automation) in cooperation with the Gosudarstvennyy institut azotnoy promyshlennosti (State Institute of Nitrogen Industry) developed a scheme for the automation of the production of weak nitric acid under atmospheric pressure for the operation of the Dneprodzerzhinskiy azotnotukoviy zavod (Dneprodzerzhinsk Nitrogenous Manure Plant). To control this scheme the individual sections of the automation of the whole plant were examined separately. At first the experimental automation of the plant section for the conversion of ammonia (Fig 1) is described. The description of the automatic regulation shows that a pneumatic transmitter of the DPPM-270A type together with a secondary device of the 2RL-24V type, as well as connection blocks of the BS0-15 type and a regulator block of the 5RB-9A type, a remote ref..

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SOV/64-59-1-17/24

Experimental Automation of the Production of Weak Nitric Acid

erence input element of the BD-18 type, and gate valve V3 as well as relays RP-17A are used. To regulate the ammonia - air ratio an electromagnetic valve of the KE-2 type is used among other things, and to regulate the water level a pneumatic transmitter (datchik) DPP-280A, a pneumatic regulating system AUS and two signaling blocks 1RB-13 are used. To control the temperature of the nitrous gases a slightly modified electronic potentiometer EPP-09 is used. For protection from a possible explosion in the ammonia conversion a provisional arrangement with a potentiometer EPD-12 was used instead of a gas analyzer for infrared absorption GIP-5 from the OKBA production. A schematic representation of the partially automated beginning of operation (electric wiring) (Fig 2), as well as of the kinematic scheme of the regulation valves (Fig 3) with detailed explanations are indicated. The experimental automation of a number of columns of the department for acid absorption is described by a schematic representation (Fig 4). Except for a pressure gage of the EMID-4 type, an electronic device VEP-4 and a gas analyzer AFK-3, the above-mentioned devices are listed and their application is described.

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SOV/64..59-1-17/24

Experimental Automation of the Production of Weak Nitric Acid

Diagrams of an arrangement for the overflow between the acid columns (Fig 5), as well as of an additional cubic content to the pneumatic blocks AUS.(Fig 6) are also given. After the introduction of the described automation in ammonia conversion and of a number of acid-absorption columns a great simplification in the operation of plants could be noted. There are 6 figures.

Card 3/3

FAYN, I.A.

Borislav petroleum mine. Neft. khoz. 39 no.12:47-50 D '61.
(MIRA 14:12)
(Borislav--Petroleum mining)

FAIN, I. A.

Author: Fain, I. A.

Title: Manufacture of ceramic acid resisting items. (Proizvodstvo keramicheskikh kislotoupornykh izdelii.) 107 p.

City: Moscow

Publisher: State Printing House of Literature pertaining to Construction Material.

Date: 1949

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 6, Page 386

Call No: T807.F3

Subject: Pottery.

FAYN, I. A.

"Metallic Clamp for Turning Sewer Pipes," Stek. i ker., 9, No.7, 1952

FAYN, I. A.

USSR/Chemistry - Ceramics

Card : 1/1 Pub. 104 - 2/12

Authors : Kosyakov, G. A. and Fayn, I. A.

Title : Ceramic articles for the people's consumption

Periodical : Stek. i ker. 11/7, 3 - 4, June 1954

Abstract : The action taken by various ceramic factories to comply with Government requirements for more consumption goods is recounted. Such action sometimes involves making additions to equipment and personnel including corps of artists. The various types of artistic and practical articles are described and quantities produced are stated. The factories which specialize in each kind are indicated. Illustrations.

Institution : ...

Submitted : ...

FAYN, I. A.

USSR/ Miscellaneous - Kilns

Card 1/1 Pub. 104 - 14/14

Authors : Fayn, I. A.

Title : A new method of stacking ceramic drain-tiles in periodic furnaces

Periodical : Stek. i ker. 11/11, 30-31, Nov 1954

Abstract : An analysis is made of various methods of stacking tiles in furnaces involving tiles and furnaces of different dimensions (which are stated), and a method is illustrated which is believed to be more rational and which has been tried out with success. Drawings.

Institution:

Submitted:

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

FAYN, I.A.

Machine for glazing ceramic sewer pipes. Stek. i ker. 13 no.4:25-27
Ap.'56. (Pipe, Clay) (Glazing) (MLRA 9:7)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3"

AUTHOR: Fayn, I. A. 72-58 -5-11/18

TITLE: New Composition for the Glaze of Ceramic Pipes (Novyy so-stav glazuri dlya keramicheskikh trub)

PERIODICAL: Steklo i Keramika, 1958, 15 Nr 5, pp 36 - 37 (USSR)

ABSTRACT: About 60% of all ceramic sewer pipes produced in the Soviet Union came from the Shchekino plant "Kislotoupor", the Kudinovskiy ceramic block plant and the Artemovsk factory for ceramic pipes. About 60% of all ceramic sewer pipes produced in the Soviet Union came from the Shchekino plant "Kislotoupor", the Kudinovskiy ceramic block plant and the Artemovsk factory for ceramic pipes. In order to reach a water absorption of less than 9-11%, the pipes are fired at a temperature of from 1165-1180°C in all three factories. All these factories use the same charge composition (table 1). The used glaze compositions can be seen on table 2. Wet grinding in ball mills lasts from 24 to 40 hours with 220-400 kw·h being used for one ton of ground glaze. The author of this paper worked out a new glaze composition and introduced it to the Kudinovskiy factory; this glaze consists of only 2 components: clay of Kembriysk from Cambrian +90%, and manganese ore, 10%. Their chemical composition is mentioned on table 3. The melting temperature of the clay is at 1160-1170°C. The introduction

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New Composition for the Glaze of Ceramic Pipes

72-58-5-11/18

of manganese ore increases the ~~heat~~ resistance of glaze, reduces its melting temperature and gives the product a better appearance. The whole grinding cycle of the components of the new glaze amounts to 10-12 hours instead of the hitherto 36-40 hours, and the energy consumption is reduced to one third. The glaze corresponds to the GOST standards and is chemically resistive. It has already been used for more than one year at the Kudinovskiy factory. There are 3 tables.

AVAILABLE: Library of Congress

- 1. Ceramic materials--Coatings
- 2. Pipes--Materials
- 3. Pipes--Properties
- 4. Ceramic coatings--Development

Card 2/2

KIPTENKO, A.K., inzh.; FAYN, I.A., inzh.

Let's develop the production of mosaic ceramics. Stroi. mat. 7
no.9:22-24 S '61. (MIRA 14:11)
(Ceramics)

L 04528-67 EWP(e)/EPT(m) WH

ACC NR: AP6030639 (A,N) SOURCE CODE: UR/0413/66/000/016/0155/0155

INVENTOR: Fayn, I. A. · Kamenetskiy, S. P.

9

B

ORG: none

TITLE: Ceramic mass for production of lightweight refractory products. Class 80,
No. 185254

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966,
155

TOPIC TAGS: refractory product, clay refractory product, ceramic material,
synthetic material, heat resistant material

ABSTRACT: An Author Certificate has been issued for a ceramic mass for producing lightweight refractory products. The mass contains a refractory clay, chamotte, and expanded perlitic sand. To reduce the volumetric weight of the product up to 0.3--0.4 t/m³, the components of the ceramic mass are suggested of the following composition (wt. %): 25--35 refractory clay, 50--60 chamotte, 10-15 swelled-up perlitic sand, and, in addition, the mass must contain a solution of organic saponifiable acids and synthetic resins in amounts of 0.2--0.5% when converted to dry matter. [Translation] SUB CODE: 11/ SUBM DATE: 16Jul65/ [NT]

Card 1/1 294

UDC: 666.76:666.361.1:666.327:666.322

VYADRO, G.Ya.; FAYN, I.D.

Results of industrial tests of the new DS-5 and TeP-7 films. Tekh.kino
1 telev. 4 no.10:49-56 0'60. (MIRA 13:10)

1. Kiyevskaya kinostudiya im.A.F.Dovzhenko.
(Motion-picture photography--Films) (Color motion pictures)

PAYN, L., inzhener.

Repairing parts of the steering mechanism of a ZIS - 150 automobile. Avt.transp.32 no.12:22-25 D '54. (MLRA 8:3)
(Automobiles—Steering gear)

FAYN, L., inzh.

Machine for lapping flat and spherical surfaces of pump and
injector unit parts. Avt.transp. 40 no.10:25-27 O '62.

(MIRA 15:11)

(Grinding machines)

KUNKIN, Ya.A., kand. tekhn. nauk; FAYN, L.S., inzh.

Bench for simultaneous drilling of holes in the end of a
connecting rod. Mekh. sil'. hosp. 12 no.12:7-9 D '61.
(MIRA 17:1)

FAYM, M., inzh.

Grouping industrial buildings in the design of ship-repair
yards. Mar. flot 23 no.1:32-34 Ja '63. (MIRA 16:4)

1. Leningradskiy institut po proyektirovaniyu morskikh portov
i sudoremontnykh predpriyatiy.
(Shipyards)

FAYN, M.

Operative ~~foundries~~ in shipyards. Mor. flot. 24 no. 8:26-27 Ag '64.
(MIRA 18:9)

1. Glavnnyy inzh. proyekta Leningradskogo instituta po proyektirovaniyu
morskikh portov i sudoremontnykh predpriyatiy.

FAYN, M.

Develop centers for the repair of ships without docking. Mor. flot
24 no.9:28-30 S '64. (MIRA 18:5)

1. Glavnyy inzhener proyekta Leningradskogo instituta po proyektiro-
vaniyu morskikh portov i sudoremontnykh predpriyatiy.

FAYN, M.

Gas supply of ship repairing berths and docks.
Mor.flot 26 no.1:34-35 Ja '66.

(MIRA 19:1)

1. Glavnnyy inzhener proyekta Leningradskogo instituta
po proyektirovaniyu morskikh portov i sudoremontnykh
predpriyatiy.

FAYN, M. A.

"The Problem of Changes in the Skin and Internal Organs During Burns of Various Duration." Cand Med Sci, Saratov State Medical Inst, Saratov, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

FAYN, M. A.

Name: FAYN, M. A.

Dissertation: Forensic medical examination of skin burns received immediately before or after death

Degree: Cand Med Sci

Defended at: Min Health RSFSR, State Order of Lenin Inst of Advanced
Affiliation: Training for Physicians imeni S. M. Kirov

Publication Date, Place: 1956, Blagoveshchansk

Source: Knizhnaya Letopis', No 4, 1957

* * *

- E N D -

USJPRS/DC
DUPONT 7-4240

FAYN, M.A. (Blagoveshchensk-Na-Amura)

Content of glycogen in the liver in thermal burns of the skin;
experimental study. Arkh. pat. no.10:43-46 '64.

(MIRA 18:10)

1. Kafedra sudebnoy meditsiny (zav., dotsent M.A. Fayn)
Blagoveshchenskogo meditsinskogo instituta (nauchnyye konsul'-
tantsy prof. V.F. Cherpakov i prof. A.L. Shabash).

FAYN, M.A.

Reaction of adrenal glands to a burn trauma; histological and
histochemical study. Sud.-med. ekspert. 7 no.4:22-24 O-D '64
(MIRA 18:1)

1. Kafedra sudebnoy meditsiny (zav. - dotsent M.A. Fayn)
Elagoveshchenskogo meditsinskogo instituta.

SHEVCHENKO, N.F., ovt. red.; BABAYEVA, Ye.K., red.; BELOUSOV, Ye.K., red.; VINNIK, S.A., prof., red.; GERSHEVICH, S.A., red.; IOSSET, G.Ya., prof., red.; KATYUKHIN, N.Ya., red.; KISELEVA, A.S., red.; MENSCHKIKOVA, L.I., red.; NADGERIYEV, M.K., dots., red.; OBUKHOV, P.F., red.; RUTENBURG, D.M., red.; FAYN, M.A., dots., red.; OVECHKINA, L.S., red.

[Public health in Amur Province; collection of articles]
Zdravookhranenie Amurskoi oblasti; sbornik statei. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 236 p.
(MIRA 17:7)

1. Amur (Province) Otdel zdravookhraneniya. 2. Zaveduyushchiy Gospital'nyy khirurgicheskii klinikoy Blagoveshchenskogo meditsinskogo instituta, Amurskaya oblast' (for Iosset). 3. Blagoveshchenskiy meditsinskiy institut, Amurskaya oblast' (for Obukhov). 4. Zaveduyushchiy Klinikoy obshchey khirurgii Blagoveshchenskogo meditsinskogo instituta, Amurskaya oblast' (for Nadgeriyev). 5. Zaveduyushchiy Kafedroy otorinolaringologii Blagoveshchenskogo meditsinskogo instituta, Amurskaya oblast' (for Vinnik). 6. Zaveduyushchiy Kafedroy sudebnoy meditsiny Blagoveshchenskogo meditsinskogo instituta, Amurskaya oblast' (for Fayn).

MATS, Z.Z., kand.tekhn.nauk; SALISHCHEV, L.N., inzh.; FAYN, M.A., inzh.

Supercharger units of the 9D100 motor and their testing.

Energomashinostroenie 6 no.7:40-43 J1 '60.

(MIRA 13:7)

(Diesel engines--Superchargers)

FAYN, M.A., inzh.

Internal combustion engine testing stations in ship repair
plants. Sudostroenie 30 no. 5:49-51 My '64.
(MIRA 17:6)

ACC NR: AP6021816

(A)

SOURCE CODE: UR/0413/66/000/012/0109/0109

INVENTOR: Sinenko, N. P.; Mats, Z. Z.; Fayn, M. A.; Skazhennik, A. M.; Pavlov, V. A.; Rubinfayn, L. Ye.

ORG: None

TITLE: A unit for sealing turbine compressor bearings. Class 46, No. 182957 [announced by the Kharkov Transport Machine Building Plant im. V. A. Malyshev (Khar'kovskiy zavod transportnogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 109

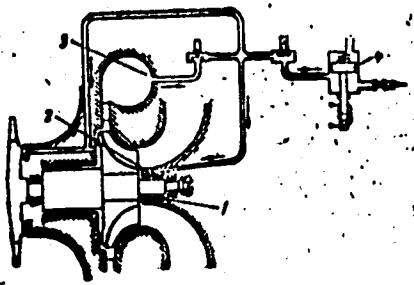
TOPIC TAGS: sealing device, turbine compressor, journal bearing

ABSTRACT: This Author's Certificate introduces a unit for sealing turbine compressor bearings used in diesel engine blower systems. This unit contains labyrinth packings with air seals fed by compressed air from the turbine compressor shell. Oil is kept out of the turbine compressor during idling and low-load operation by connecting the air seals to the locomotive braking system which is coupled by an electromagnetic valve interlocked with the locomotive control system.

Card 1/2

UDC: 621.515.5-762:62;621.436.052

ACC NR: AP6021816



1--labyrinth packings; 2--air seals; 3--compressor shell; 4--electromagnetic valve

SUB CODE: 13 / SUBM DATE: 12Jun65

Card 2/2

KANAYEVA, A.M.; KLADEVSHCHIKOV, V.D.; FAYN, M.M.

Operational reliability of television sets. Tekh.kino i telev. 4
no.6:65-70 Je '60. (MIRA 13:7)
(Television--Receivers and reception)

LATFULIN, N.; ARIPOV, G.; FAYN, N.

Automatic hard facing of iron roll journals. Metallurg 7
no.7:32 Jl '62. (MIRA 15:7)

1. Uzbekskiy metallurgicheskiy zavod.
(Rolls (Iron mills))
(Hard facing)

FAYN, N.G. (Tashkent)

Method of impregnating microglia in celloidin sections. Arkh.
pat. 25 no.10:52-54 '63. (MIRA 17:7)

1. Iz patofiziologicheskoy laboratorii (zav. I.N. Dimant)
Nauchno-issledovatel'skogo instituta rentgenologii, radiologii
i onkologii Ministerstva zdravookhraneniya Uzbekskoy SSR
(direktor - prof. D.M. Abdurasulov).

FAYN, N.G.

Study of protein metabolism in tissues of the central nervous system and the transplantable brain tumor at early stages of its development. Uzb. biol. zhur. 9 no.2:9-16 '65.

(MIRA 18:5)

1. Nauchno-issledovatel'skiy institut rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya UzSSR.

GRINCHIKHIN, S.N.; FAYN, N.G.; DIMANT, I.M.

Incorporation of radioactive phosphorus into the cardiac muscle
in rats with implanted brain tumors at various stages of their
development. Biul.eksap.biol.i med. 58 no.10:93-96 O '64.
(MIRA 18:12)

I. Otdel eksperimental'noy onkologii (zav. - I.M.Dimant) Nauchno-
issledovatel'skogo instituta rentgencologii, radiologii i onkologii
(dir. - prof. D.M.Abdurazakov) Ministerstva zdravookhraneniya
Uzbekskoy SSR, Tashkent. Submitted July 10, 1963.

FAYN, N.G.

Study of the mucopolysaccharide content and metabolism in
the tissues of the central nervous system following tumor
development in the brain of rats. Uzb. biol. zhur. 9 no. 6:
10-15 '65 (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut rentgenologii i radio-
logii i onkologii Ministerstva zdravookhraneniya UzSSR.

LATFULIN, N.L., inzh.; ARIPOV, G.I., inzh.; FAYN, N.I., inzh.

Automatic hard facing of cast-iron roll journals. Svar.
proizv. no. 6:40 Je '62. (MIRA 15:6)

1. Uzbekskiy metallurgicheskiy zavod imeni Lenina.
(Rolls (Iron mills))
(Hard facing)

PUKIN, V.M., inzh.; FAYN, N.I., inzh.

Automatic hard facing of rolling mill rolls. Svar. proizv.
no.3:35 Mr '64. (MIRA 18:9)

1. Uzbekskiy metallurgicheskiy zavod.

FAN, O.I.; LIKHACHEVA, Ye.M.

Treatment of typhoid fever with synthomycin. Klin. med., Moskva 31 no.6:
40-44 June 1953.
(CLML 25:1)

1. Of Clinical Order of Lenin Hospital imeni Botkin (Head Physician —
S. A. Chesnokov; Acting Head Physician for the Infectious Division — Honored
Physician HFSR A. N. Busnikov).

FAYN, O.I., vrach (Moscow)

Botkin's disease. Med. sestra no.6:7-12 Je '54.

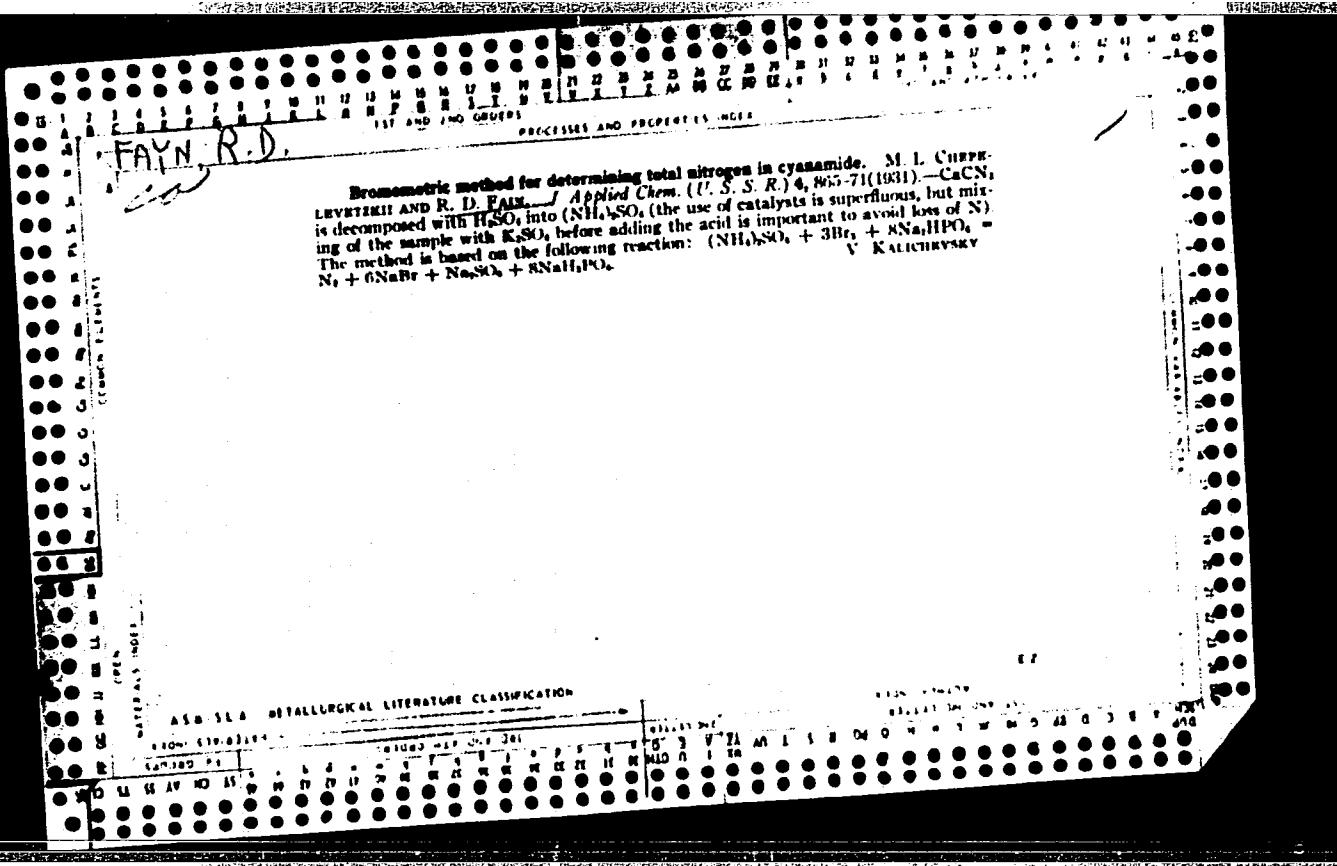
(MIRA 7:8)

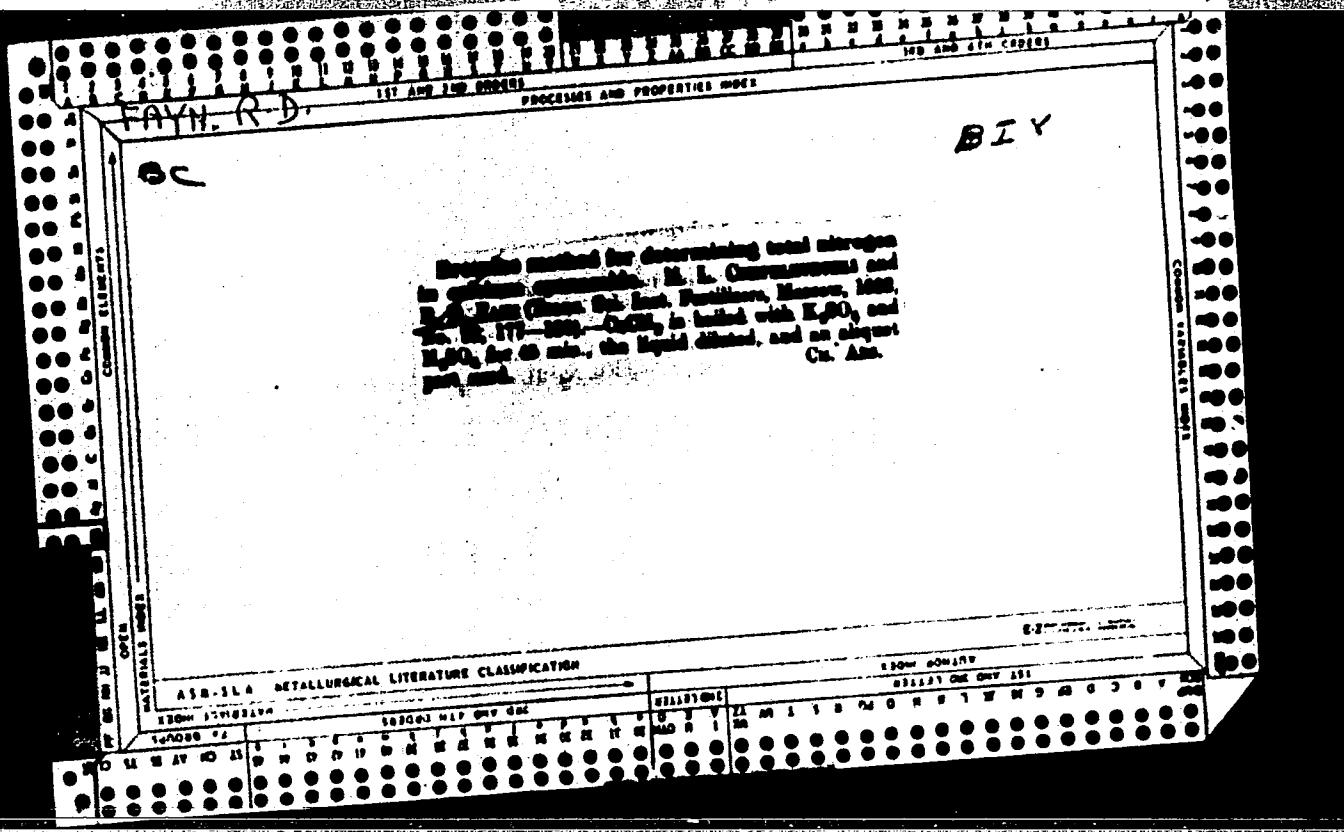
1. Bol'nitsa im. S.P.Botkina.
(HEPATITIS, INFECTIOUS)

RATNER, S.I., prof.; FAYN, O.I.; MASHILOV, V.P.; MITROFANOVA, V.G.;
KHUDYAKOVA, G.K.; VIL'SHANSKAYA, F.L., kand. med. nauk (Moskva)

Treatment of nonspecific ulcerous colitis with dried colibac-
terin. Klin. med. 41 no.2:109-115 F#63 (MIRA 17:3)

1. Iz Moskovskoy bol'nitsy imeni S.P. Botkina i Moskovskogo
nauchno-issledovatel'skogo instituta epidemiologii i mikro-
biologii Ministerstva zdravookhraneniya RSFSR.





FAYN, S.B.

Some problems of computer arithmetic in a system of residual
classes. Trudy Vych. tsentr. AN Gruz. SSR 4:191-202 '64
(MIRA 17:6)

Use of a system of residual classes in nomography. Ibid.:
203-212

FAYN, S.I.

Resection of the small intestine and peculiarities in the reaction
of the peritoneum in irradiated rabbits. Med. zhur. Uzb. no. 2:56-
58 F '61. (MIRA 14:2)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. F.M. Golub) i
kafedry rentgenologii i meditsinskoy radiologii (zav. - dotsent
G.S. Kuznetsov) Samarkandskogo gosudarstvennogo meditsinskogo
instituta imeni I.P. Pavlova.
(RADIATION-PHYSIOLOGICAL EFFECT) (INTESTINES-SURGERY)

FAYN, S.I.

Histomorphology of the solar plexus and intramural nerve ganglia
in intestinal injury and radiation sickness. Med. zhur. Uzb. no.5:
51-54 My'63 (MIRA 17-4)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. F.M. Golub)
Samarkandskogo meditsinskogo instituta imeni Pavlova.

FAYN, S.I.

Changes in the ganglia of the solar plexus and intramural apparatus of the intestine in a combined radiation trauma.
Nauch. trudy SamMI 22:74-77 '63. (MIR 17:9)

1. Iz kafedry fakul'tetskoy khirurgii Samarkandskogo mediteinsakogo instituta.

FAYN, S.N.

Clinical aspects and morphology of polyps and polyposis of the rectum and large intestine. Khirurgiia 34 no.9:40-49 S '58.

(MIRA 12:4)

1. Iz Pervoy kafedry khirurgii (zav. - deyatvitel'nyy chlen AMN SSSR prof. V.R. Braytsev) TSentral'nogo instituta usovershenstvovaniya vrachej (dir. - prof. V.P. Lebedeva).
(INTESTINES--TUMORS)

FAYN, S. N.: Master Med Sci (diss) -- "Polyps and polyposis of the rectum and large intestine". Moscow, 1958. 16 pp (Acad Med Sci USSR), 225 copies (KL, No 6, 1959, 146)

FAYN, S.N., kand.med.nauk

Late results of the treatment of solitary and multiple polypi of
the rectum and large intestine. Sov. med. 25 no.11:65-68 N '61.
(MIRA 15:5)

1. Iz 1-y kafedry klinicheskoy khirurgii TSentral'nogo instituta
usovershenstvovaniya vrachey (zav. - deystvitel'nyy chlen AMN SSSR
prof. V.R.Braytsev).
(INTESTINES—TUMORS) (RECTUM—TUMORS)

FAYN, S.N.; SLAVIN, Yu.M.

Diagnosis and treatment of villose tumors of the rectum and
the large intestine. *Akt. vop. prokt.* no.2:173-179 '63
(MIRA 18:1)

BOBROVA, A.G.; RIVKIN, V.L.; FAYN, S.N.

Surgery for cancer of the anus, the rectum and the large intestine; survey of foreign literature for 1958-1961. Akad. vop. prokt. no.2:237-248 '63 (M. RA 18:1)

FAYN, S.N., kand. med. nauk; SLAVIN, Yu.M.

Villous tumors of the rectum and large intestine. Khirurgiia
39 no.10:95-103 O '63. (MIRA 17:9)

1. Iz proktologicheskogo otdeleniya (zav.- prof. A.N. Ryzhikh)
Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo
instituta imeni P.A. Gertsena.

PAYN, S.N.

Original construction of a high-pressure syringe for contrast lymphography. Eksper. khir. i anest. no.1:34-38 '65.
(MIRA 18:11)
1. Prektologicheskoye otdeleniye (zav. - prof. A.N. Ryzhikh)
Onkologicheskogo instituta imeni P.A. Gertsen'a (direktor -
prof. A.N. Novikov), Moskva.

FAYN, V.I.

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68569

Author : Fain, V.I.
Title : The Study of Neutralization of Scarlet Fever Streptococci
Toxins of Different Serologic Types by Sera of Scarlet
Fever Convalescents.

Orig Pub : Nauch. Tr. Mosk. N.-i In-t Vaktsin i Sivorotok, 1955,
6, 127-132

Abstract : A study was made of 23 sera of convalescents with 15 toxins obtained from laboratory cultures, and 23 sera with 5 toxins of freshly-isolated cultures. 16 sera were tested simultaneously with toxins of laboratory and freshly isolated cultures. The same serum neutralized toxins of streptococci of different serologic types: the laboratory-produced and also freshly-isolated cultures. The neutralization of toxins did not depend on the presence in the serum of agglutinants of one or another type.

Card 1/2

- 47 -

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68569

In a number of cases the serum did not neutralize toxin
of a type similar to that of the culture isolated from
the given patient, while toxins of streptococci of other
serotypes were neutralized by this serum.

Card 2/2

- 48 -

FAYN, V.I.

USSR/Microbiology - Medical and Veterinary Microbiology

F-4

Abs Jour : Referat Zhurn - Biol. No 16, 25 Aug 1957, 68570

Author : Fain, V.I.

Title : The Problem of Type Specification of Sera from Scarlet Fever Convalescents in Relation to Hemolytic Streptococci.

Orig Pub : Nauch. Tr. Mosk. N.-i. In-t Vaktsin i Sivorotok, 1955, 6, 133-136

Abstract : A study was made of the presence of typospecific agglutinants in 42 sera of scarlet fever convalescents, from which a hemolytic streptococcus of the 2, 4, 1, 3 or 27 type of Griffiths were isolated in the first days of illness. The prevalent ones were types 2 and 4. Typospecific agglutinants were found in 39 sera. The sera in a majority of cases were found to be nonspecific as regards the isolated cultures.

Card 1/1

- 49 -

ACC NR: AP6020679

SOURCE CODE: UR/0016/66/000/006/0032/0036

AUTHOR: Fayn, V. I.; Balayan, V. D.; Meshalova, A. N.

ORG: Moscow Vaccine and Serum Institute (Moskovskiy institut vaktsin i sывороток им. Мечникова

TITLE: Determining immunogenic properties of oral corpuscular typhoid vaccine.

SOURCE: Zh mikrobiol, epidemiol i immunobiol, no. 6, 1966, 32-36

TOPIC TAGS: immunology, vaccine, immunogenesis, oral vaccine, ~~heat-killed~~, ~~animal disease~~, ~~human disease~~, typhoid, ~~BACTERIAL DISEASE~~

ABSTRACT:

Heated typhoid vaccine was given orally and subcutaneously to mice in one and two steps. In single subcutaneous immunization the mean immunizing dose ranged between 0.1—0.88 billion cells and in oral administration the mean immunizing dose was 400—500 times the subcutaneous dose. Two immunizations were not more effective than one. Orig. art. has: 2 tables.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: 28Aug65/ ORIG REF: 005/ OTH REF: 001/

Cards 1/1

UDC: 616.927-085.371-032:616.311-07:616.927-07-078

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

Fain V M. Velocity distribution of electrons in the
~~presence of a variable electrical field and a constant~~
~~magnetic field.~~

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3"

FD-3266

USSR/Physics - Radiation of molecules

Card 1/2 Pub. 146 - 25/44

Author : Fayn, V. M.

Title : Radiation of molecules in the presence of a strong high-frequency field

Periodical : Zhur. eksp. i teor. fiz., 29, No 6(12), Dec 1955, 878-880

Abstract : The absorption of high-frequency radiation in a molecular gas has been studied by R. Karplus and J. Schwinger (Phys. Rev., 73, 1020, 1948) and by H. Snyder and P. Richards (Phys. Rev., 73, 1178, 1948). In the present communication the author shows that besides absorption (and saturation of levels) at frequency $\omega \approx \nu_{12} = (E_1 - E_2)/h = \omega_0$ (E_1 and E_2 are the energy levels of a molecule) there also appears a radiation of frequency ω_0 that depends upon the matrix element of the dipole moment corresponding to the transition $E_1 \rightarrow E_2$ and upon the field strength of frequency ω ; here certain assumptions are made concerning the duration T of molecular collision, average time τ between collision (i.e. $T \ll 1/\omega \ll \tau$), Boltzmann energy distribution, $\omega_0 \gg \omega_0$, etc. He remarks that radiation at frequency ω_0 will be observed only for molecules having momenta $\vec{\mu}_{11}$ and $\vec{\mu}_{22}$ different from zero. Three ref.

Institution: Gor'kiy State University

Submitted : July 11, 1955

FAYN, V. M.

FAYN, V. M.: "The theory of quantum phenomena in the radio band." Gor'kiy State
U imeni N. I. Lobachevskiy. Gor'kiy, 1956. (Dissertation for the Degree
of Candidate in Physicomathematical Sciences)

'Knizhnaya letopis', No 39, 1956. Moscow.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412520004-3

PHYSIKA I ELEKTRONIKA, Vol. 1, No. 1, 1956

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